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| Michael T. Davis  WLPCS Pre-Calculus | | 1.6 Quadratic Functions – Finding Real Zeros (2)  September 29, 2017 | |
| Name: | |

**Determining the number of real zeros (x-intercepts) and the values of the zeros from a factored quadratic equation, i.e. solving** 

1. Determine the real zeros (x-intercepts) of the parabola with equation , i.e. solve 
2. Determine the real zeros (x-intercepts) of the parabola with equation , i.e. solve 
3. Determine the real zeros (x-intercepts) of the parabola with equation , i.e. solve
4. Determine the real zeros (x-intercepts) of the parabola with equation , i.e. solve

**Determining the number of real zeros (x-intercepts) and the values of the zeros from a general form equation,**

**i.e. solving **

1. Determine the real zeros (x-intercepts), if any, of the parabola with equation , i.e. solve 
2. Determine the real zeros (x-intercepts), if any, of the parabola with equation , i.e. solve 
3. Determine the real zeros (x-intercepts), if any, of the parabola with equation , i.e. solve 
4. Determine the real zeros (x-intercepts), if any, of the parabola with equation , i.e. solve 
5. Determine the real zeros (x-intercepts) of the parabola with equation , i.e. solve 

**Determining the number of real zeros (x-intercepts) and the values of the zeros from a Vertex Form equation, i.e. solving **

1. Determine the number of real zeros (x-intercepts), if any, of the parabola with equation  . Then, find the real zeros.
2. Determine the number of real zeros (x-intercepts), if any, of the parabola with equation . Then, find the real zeros.
3. Determine the number of real zeros (x-intercepts), if any, of the parabola with equation . Then, find the real zeros.
4. Determine the number of real zeros (x-intercepts), if any, of the parabola with equation . Then, find the real zeros.